

Name: _____

at1110paper__practice__test (v14)

1. Solve the equation with factoring by grouping.

$$20x^2 + 15x + 8x + 6 = 0$$

2. Factor the expression.

$$x^2 + 4x - 45$$

3. Expand the following expression into standard form.

$$(2x + 9)(4x + 5)$$

4. Factor the expression.

$$25x^2 - 16$$

5. Expand the following expression into standard form.

$$(7x + 5)(7x - 5)$$

6. Solve the equation.

$$(9x - 5)(3x - 2) = 0$$

7. Solve the equation.

$$6x^2 - 9x - 25 = 3x^2 + 4x + 5$$

8. Expand the following expression into standard form.

$$(9x - 8)^2$$